Supplement of the

"Proceedings of the Indian Academy of Sciences"

INDEX TO VOL. LXXIV (B)

AUTHORS' INDEX

Arjunarao, V. .. Biological control of cotton wilt, II, III, 16, 53.

Bhatt, Bharati .. *See* Janaki Ammal and Bhatt.

Chandra, Prakash .. On the morphology of *Sphaerostephanos subtruncata* (Bory) Holttum with a discussion of the genus *Sphaerostephanos* J. Sm., 284.

Dave, I. C. .. *See* Mishra and others.

Dave, Y. S. and Shah, J. J. Developmental study on tendrils of *Cardiospermum halicacabum* L., 217.

Dube, H. C. .. Studies on permeability changes in cotton (*Gossypium hirsutum*) caused by *Verticillium albo-atrum*, 185.

Fathima, Tasneem .. *See* Nagaraj and Fathima.

Gaur, B. K. .. *See* Mishra and others.

Indira, P. U. and Kalyanasundaram, R. The life-cycle of *Stemonitis herbatica*, III, 241.

Indira, P. U., Sirsi, M. and Krishnamurthi, N. A preliminary survey of dermatomycoses in Bangalore, 174.

Janaki Ammal, E. K. and Bhatt, Bharati Induced tetraploidy in *Solanum khasianum* Clarke, 98.

Kahlon, R. S. and Vyas, S. R. Isolation and identification of acetic acid bacteria from different ecosystems, 293.

Kalyanasundaram, R. .. *See* Indira and Kalyanasundaram.

Khoshoo, T. N. .. *See* Misra and others.

Kidwai, R. M. .. *See* Nair and others.

Krishnamurthi, N. .. *See* Indira and others.

Mishra, S. D., Dave, I. C., Singh, B. B. and Gaur, B. K. — Electron spin-resonance (ESR) study of developing and aging betel leaves, 102.

Misra, P. S., Pal, Mohinder, Mitra, C. R. and Khoshoo, T. N. — Chemurgic studies on some diploid and tetraploid grain amaranths, 155.

Mitra, C. R. .. *See* Misra and others.

Mohamed, K. H., Rao, P. Vedavyasa and Suseelan, C. — The first phyllosoma stage of the Indian deep sea spiny lobster, *Puerulus sewelli* Ramadan, 208

Murali, R. S. — *See* Nair and others.

Nagarajan, K. and Ramakrishnan, K. — Studies on cucurbit viruses in Madras State, IV, 194.

Nagaraj, M. and Fathima, Tasneem — Studies on the structure and development of pericarp and seed coat in *Rotula aquatica* Lour, 314.

Nair, R. R., Murali, R. S. and Kidwai, R. M. — Ca^{++}/Mg^{++} ratios in the sediments on the continental shelf off Bombay, 29.

Nanda Kumar, N. V. and Swami, Karumari S. — Some aspects of molecular mechanism in the regulation of histaminic activity in cell-free systems of sheep brain, 46.

Narasimhan, R. .. *See* Srinivasan and Narasimhan.

Natarajan, K. .. Studies on rhizosphere fungi, I, 255.

Nayudu, M. V. .. *See* Sarma and Nayudu.

Pal, Mohinder .. *See* Misra and others.

Pandey, K C .. Studies on metacercaria of fresh-water fishes of India, 1.

Raju, N. Solomon .. Breeding habits, development and life-history of *Blennius steindachneri* Day from Waltair coast, 37.

Ramakrishnan, K. .. *See* Nagarajan and Ramakrishnan.

Ramalingam, A. .. Air-spora of Mysore, 227.

Ramaraju, T. S. .. On the *Benduvala*, a special gear for catching the major carp *Labeo fimbriatus* (Bloch) in river Godavari, with observations on *Benduvala* fishery at Dummagudem, 277.

Rao, M. Krishna .. *See* Venkateswarlu and Rao.

Rao, N. S. Subba .. The role of photoperiod and temperature in determining the efficiency of legume—*Rhizobium* symbiosis in cluster clover (*Trifolium glomeratum*), 106.

Rao, P. Vedavyasa .. *See* Mohamed and others.

Reddy, S. M. .. Nitrogen requirements of five species of *Helminthosporium*, 142.

Sadasivan, T. S. .. On better understanding of plant pathogens, 113.

Sarma, Y. R. and Nayudu, M. V. *Corynespora* leaf spot of brinjal, 92.

Shah, J. J. .. *See* Dave and Shah.

Shetty, H. P. C. .. *See* Talwar and Shetty.

Singh, B. B. .. *See* Mishra and others.

Sirsi, M. .. *See* Indira and others.

Somasekar, B. and Thippeswamy, M. A study of the graphite deposits from Hunkund (Ganacharpur), Mysore State, 265.

Sreeramulu, K. .. Chemical mutagenesis in *Sorghum*, 161.

.. Effectiveness and efficiency of single and combined treatments of radiations and ethyl methane sulphonate in *Sorghum*, 147.

Sumitra Vijayaraghavan .. Studies on the diurnal variations in physico-chemical and biological factors in Teppakulam tank, 63.

Srinivasan, K. V. and Narasimhan, R. The effect of certain phenolic and related compounds on spore germination and appressorial formation in *Colletotrichum falcatum* Went, 81.

Susan, Navarathnam .. Studies on two new species of the genus *Monocercomonas* Grassi, 1879, from the Indian birds, 301.

.. Two new species of the genus *Chilomastix* Alexeief, 1910, from the Indian birds, 307.

Suseelan, C. .. *See* Mohamed and others.

Swami, Karumuri, S.	..	*See* Nandakumar and Swami.
Talwar, P. K. and Shetty, H. P. C.	..	On the generic relationship of *Bola coitor* Hamilton, 1822 (Pisces: Sciaemidae), with a redescription of the species, 74.
Thind, K. S. and Waraitch, K. S.		The Pezizales of India, XIV, 269.
Thippeswamy, M.	..	*See* Somasekar and Thippeswamy.
Varghese, T. M.	..	Studies in the family Scrophulariaceae, III, 6.
Venkateswarlu, J. and Rao, M. Krishna		Inheritance of fruit colour in the *Solanum nigrum* complex, 137.
Vyas, S. R.	..	*See* Kahlon and Vyas.
Waraitch, K. S.	..	*See* Thind and Waraitch.

TITLE INDEX

Acetic acid bacteria, isolation and identification of, from different ecosystems (Kahlon and Vyas), 293.

Air-spora of Mysore (Ramalingam), 227.

Benduvala, a special gear for catching the major carp *Labeo fimbriatus* (Bloch) in River Godavari, with observations on *Benduvala* fishery at Dummagudem (Ramaraju), 277.

Betel leaves, developing and aging, electron spin-resonance (ESR) study of (Mishra and others), 102.

Blennius steindachneri Day from Waltair coast, breeding habits, development and life-history of (Raju), 37.

Bola coitor Hamilton, 1822 (Pisces: Sciaemidae), on the generic relationship of with a redescription of the species (Talwar and Shetty), 74.

Cardiospermum halicacabum L., tendrils of, developmental study on (Dave and Shah), 217.

Chilomastix Alexeief, 1910, from the Indian birds, genus, two new species of the (Susan Navarathnam), 307.

Colletotrichum falcatum Went, the effect of certain phenolic and related compounds on spore germination and appressorial formation in (Srinivasan and Narasimhan), 81.

Continental shelf off Bombay, sediments on the, Ca^{++}/Mg^{++} ratios in the (Nair and others), 29.

Corynespora leaf spot of brinjal (Sarma and Nayudu), 92.

Cotton (*Gossypium hirsutum*), studies on permeability changes in, caused by *Verticillium albo-atrum* (Dube), 185.

Cotton wilt, biological control of, II, III (Arjunarao), 16, 53.

Cucurbit viruses in Madras State, Studies, IV (Nagarajan and Ramakrishnan), 194.

Dermatomycoses in Bangalore, a preliminary survey (Indira and others), 174.

Grain amaranths, some diploid and tetraploid, chemurgic studies on (Misra and others), 155.

deposits from Hunkund (Ganacharpur), Mysore State, a study of the . sekar and Thippeswamy), 265.

Helminth orium, nitrogen requirements of five species of (Reddy), 142.

Metacercaria of fresh-water fishes of India, studies on, VIII (Pandey), 1.

Monocercomonas Grassi, 1879, from the Indian birds, genus, studies on two new species of the (Susan Navarathnam), 301.

Pezizales of India, XIV (Thind and Waraitch), 269.

Plant pathogens, on better understanding of (Sadasivan), 113.

Puerulus sewelli Ramadan, the Indian deep-sea spiny lobster, the first phyllosoma stage (Mohamed and others), 208.

Rhizosphere fungi, studies on, I (Natarajan), 255.

Rotula aquatica Lour., pericarp and seed coat in, studies on the structure and development of (Nagaraj and Fathima), 314.

Scrophulariaceae, studies in the family, III (Varghese), 6.

Sheep brain, cell-free systems of, regulation of histaminic activity in, some aspects of molecular mechanism in the (Nandakumar and Swami), 46.

Solanum khasianum Clarke, induced tetraploidy in (Janaki Ammal and Bhatt), 98.

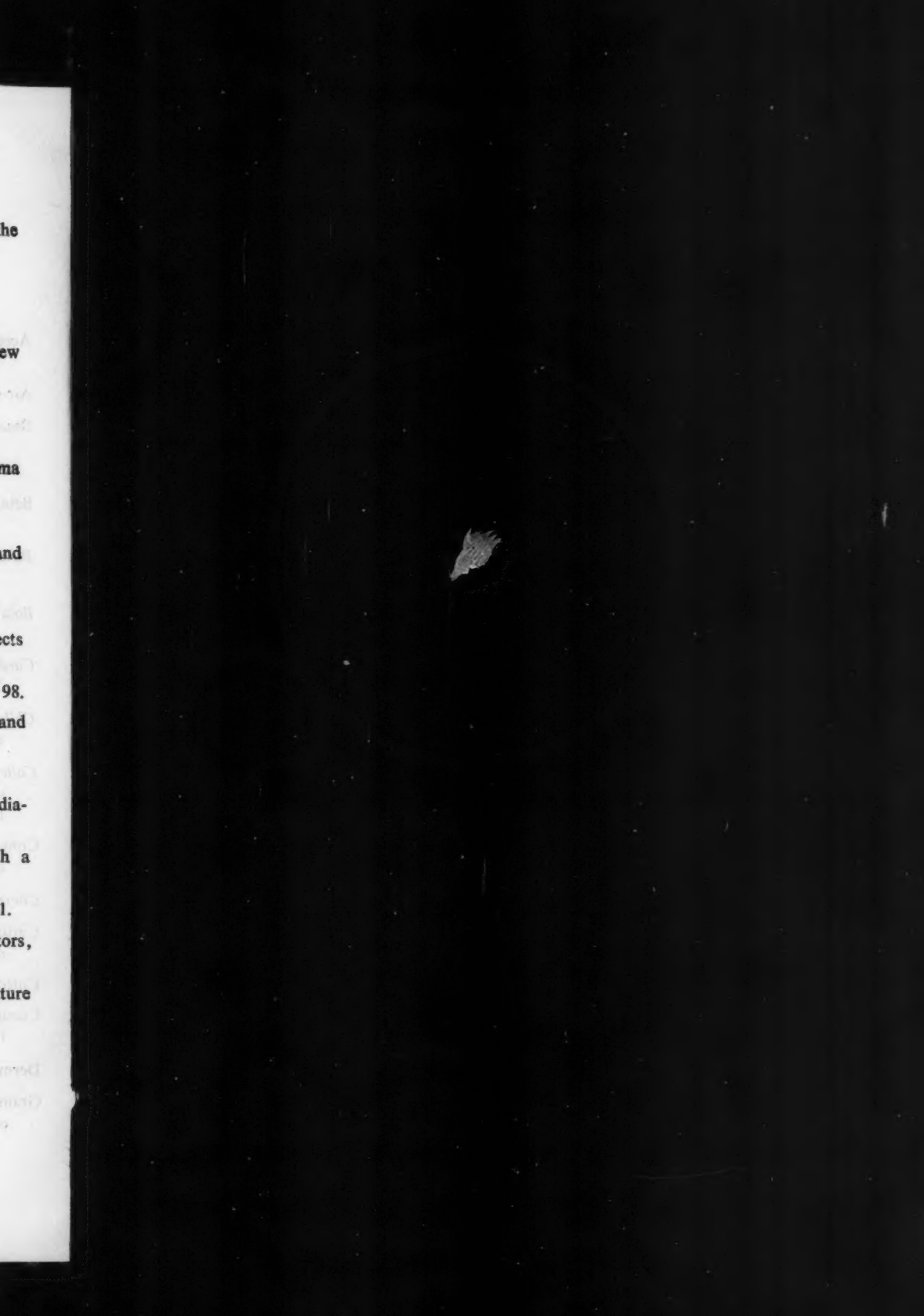
Solanum nigrum complex, inheritance of fruit colour in the (Venkateswarlu and Rao), 137.

Sorghum, chemical mutagenesis in (Sreeramulu), 161.

Sorghum, effectiveness and efficiency of single and combined treatments of radiations and ethyl methane sulphonate in (Sreeramulu), 147.

Sphaerostephanos subtruncata (Bory) Holttum, on the morphology of, with a discussion of the genus *Sphaerostephanos* J. Sm. (Chandra), 284.

Stemonitis herbatica, the life-cycle of, III (Indira and Kalyanasundaram), 241.

Teppakulam tank, diurnal variations in physico-chemical and biological factors, studies on the (Sumitra Vijayaraghavan), 63.

(*Trifolium glomeratum*), cluster clover, the role of photoperiod and temperature in determining the efficiency of legume *rhizobium* symbiosis (Rao), 106.